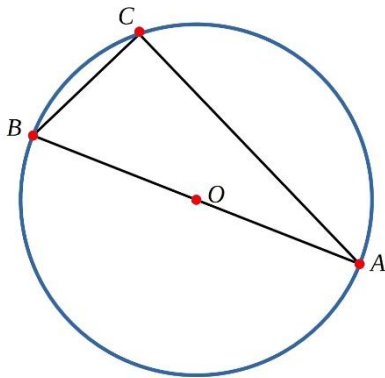
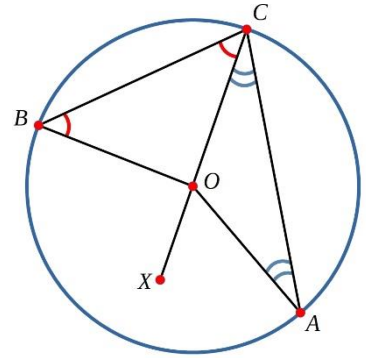


The angle at the centre of the circle was double the angle at the circumference.

Can you use this to prove these three corollaries (things which are also true)?

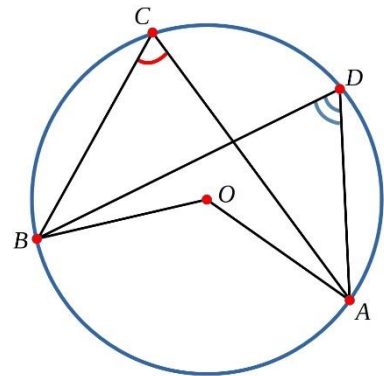


Corollary 1

Can you show that the angle in a semi-circle is a right-angle?
(i.e. if AB is a diameter then angle $ACB=90^\circ$.)

Corollary 2

Can you show that the two angles marked in the diagram are equal?



Corollary 3

Can you show that the two angles marked in the diagram on the left add up to 180° ? Can you use your results to show that the two angles marked in the diagram below add up to 180° ?

